

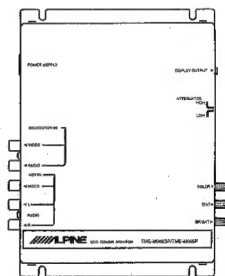
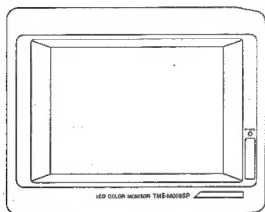
# **///ALPINE** **SERVICE MANUAL**

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## **5.6-inch LCD Color Monitor Unit**

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- This model is component system unit of AV Interface Unit and Monitor Unit.



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# **TME-M006SP**

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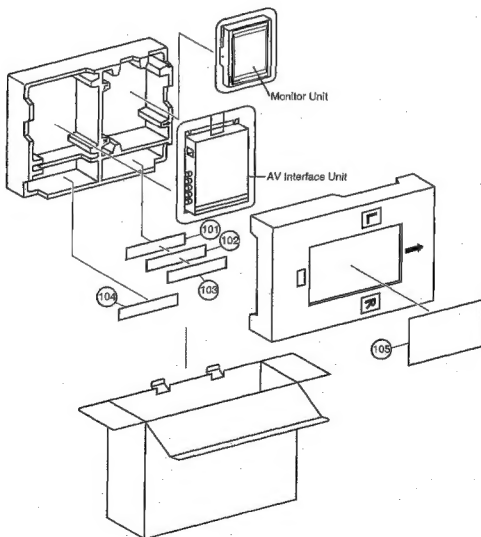
Cabinet Assembly Parts List

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

## Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
101	01T85426W02	Assy., Cable			
102	01T25930W08	Assy., Power Wire			
103-1	03S40018G07	Screw, Tapping (MAX14)			
103-2	75T58346F01	Pad, Magic Tape			
104	01T85350W02	Stand, ET817			
105	68P91508W23	Owner's Manual			

## Packing Method View



# AV Interface Unit

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## Specifications

Output .....	VIDEO : 1Vp-p
	AUDIO : 500mV
Input .....	VIDEO : 1Vp-P
	AUDIO : 500mV
FSC .....	PAL : 4.433618MHz $\pm$ 300Hz
	NTSC : 3.579545MHz $\pm$ 300Hz
Audio Attenuator .....	HIGH : $\pm$ 0dB
	LOW : -6dB
Power Supply .....	DC14.4V (11~16V allowable)
Semiconductors .....	8 IC's, 23 Transistors, 5 Diodes, 1 Zener Diodes
Dimensions (W $\times$ H $\times$ D) .....	202 $\times$ 144.5 $\times$ 29mm
Weight .....	550g

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

## Adjustment Procedures

### 1) Preparation for adjustments

- ① Connect the AV interface unit to the Monitor unit.
- ② Connect the DC voltage regulator power supply of  $14.4 \pm 0.1V$  to the power supply connector (ET801).
- ③ Set each switch / Volume of the AV interface unit to the following position.
 

• ATTENUATOR Level switch (S201)	..... [HIGH]
• Volume, COLOR (VR906) / TINT (VR907) / BRIGHT (VR908)	..... [Center Position]

 Set each switch of the Monitor unit to the following position.
 

• Main POWER Switch (S500)	..... [STAND BY]
• DIMMER Switch (S501)	..... [HIGH]

### 2) Adjustment procedures

- ① Connect the DC voltmeter between T.P.1 and GND. Adjust VR901 unit the voltage level between T.P.s above becomes  $0.95 \pm 0.1V$ .
- ② Connect the DC voltmeter between T.P.2 and GND. Adjust VR902 unit the voltage level between T.P.s above becomes  $1.38 \pm 0.1V$ .
- ③ Connect the DC voltmeter between T.P.3 and GND. Adjust VR903 unit the voltage level between T.P.s above becomes  $0.5 \pm 0.1V$ .
- ④ Connect the DC voltmeter between T.P.4 and GND. Adjust VR904 unit the voltage level between T.P.s above becomes  $2.5 \pm 0.1V$ .
- ⑤ Connect the DC voltmeter between T.P.5 and GND. Adjust VR905 unit the voltage level between T.P.s above becomes  $3.5 \pm 0.1V$ .

NOTE : For the Adjustment parts and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
E205	23T75478W15	ELY., 10 $\mu$ F / 16V	C912	08S82122F13	CP., 10pF
C206	08S65128F76	CP., 0.1 $\mu$ F	E912	23T75478W15	ELY., 10 $\mu$ F / 16V
E206	23T75478W19	ELY., 100 $\mu$ F / 16V	C913	08S65128F72	CP., 0.022 $\mu$ F
E207	23T75478W16	ELY., 22 $\mu$ F / 16V	E913	23T75478W37	ELY., 1 $\mu$ F / 50V
E208	23T75478W15	ELY., 10 $\mu$ F / 16V	C914	08S82122F16	CP., 13pF
E209	23T75478W33	ELY., 0.1 $\mu$ F / 50V	E914	23T75478W15	ELY., 10 $\mu$ F / 16V
E210	23T75478W16	ELY., 22 $\mu$ F / 16V	C915	08S65128F69	CP., 0.01 $\mu$ F
E401	23T75478W37	ELY., 1 $\mu$ F / 50V	E915	23T75478W37	ELY., 1 $\mu$ F / 50V
E402	23T75478W37	ELY., 1 $\mu$ F / 50V	C916	08S65128F72	CP., 0.022 $\mu$ F
C801	08S65128F76	CP., 0.1 $\mu$ F	E916	23T75478W38	ELY., 2.2 $\mu$ F / 50V
E801	23T75479W63	ELY., 2200 $\mu$ F / 16V	C917	08S65128F12	CP., 10pF
E802	23T75478W15	ELY., 10 $\mu$ F / 16V	C918	08S65128F17	CP., 18pF
C803	08S65128F76	CP., 0.1 $\mu$ F	E918	23T75478W15	ELY., 10 $\mu$ F / 16V
E803	23T75478W15	ELY., 10 $\mu$ F / 16V	C919	08S65128F69	CP., 0.01 $\mu$ F
C804	08S65128F76	CP., 0.1 $\mu$ F	C920	08S65128F76	CP., 0.1 $\mu$ F
C807	08S65128F76	CP., 0.1 $\mu$ F	E920	23T75478W15	ELY., 10 $\mu$ F / 16V
E807	23T75479W27	ELY., 470 $\mu$ F / 16V	C921	08S65128F69	CP., 0.01 $\mu$ F
C808	08S65128F76	CP., 0.1 $\mu$ F	E921	23T75478W16	ELY., 100 $\mu$ F / 16V
E808	23T75479W63	ELY., 2200 $\mu$ F / 16V	C922	08S65128F69	CP., 0.01 $\mu$ F
C809	08S65128F76	CP., 0.1 $\mu$ F	E922	23T75478W40	ELY., 4.7 $\mu$ F / 50V
E809	23T75479W63	ELY., 2200 $\mu$ F / 16V	C923	08S65128F69	CP., 0.01 $\mu$ F
E811	23T75478W15	ELY., 10 $\mu$ F / 16V	E923	23T75478W16	ELY., 22 $\mu$ F / 16V
E812	23T75478W18	ELY., 47 $\mu$ F / 16V	C924	08S65128F69	CP., 0.01 $\mu$ F
C913	08S65128F76	CP., 0.1 $\mu$ F	E924	23T75478W19	ELY., 100 $\mu$ F / 16V
E913	23T75478W15	ELY., 10 $\mu$ F / 16V	C925	08S65128F76	CP., 0.1 $\mu$ F
E914	23S59311W51	CP., TAN, 1 $\mu$ F / 25V	E925	23T75478W40	ELY., 4.7 $\mu$ F / 50V
E915	23T75479W27	ELY., 470 $\mu$ F / 16V	C926	08S65128F76	CP., 0.1 $\mu$ F
C901	08S65128F76	CP., 0.1 $\mu$ F	E926	23T75478W16	ELY., 22 $\mu$ F / 16V
E901	23T75478W20	ELY., 220 $\mu$ F / 16V	E927	23T75478W19	ELY., 100 $\mu$ F / 16V
C902	08S65128F21	CP., 27pF	E928	23T75478W19	ELY., 100 $\mu$ F / 16V
E902	23T75478W20	ELY., 220 $\mu$ F / 16V	E929	23T75478W40	ELY., 4.7 $\mu$ F / 50V
C903	08S65128F69	CP., 0.01 $\mu$ F	E930	23T75478W16	ELY., 22 $\mu$ F / 16V
E903	23T75478W16	ELY., 22 $\mu$ F / 16V	E931	23T75478W19	ELY., 100 $\mu$ F / 16V
C904	08S65128F69	CP., 0.01 $\mu$ F	E932	23T75478W40	ELY., 4.7 $\mu$ F / 50V
E904	23T75478W16	ELY., 22 $\mu$ F / 16V	E933	23T75478W16	ELY., 22 $\mu$ F / 16V
C905	08S65128F69	CP., 0.01 $\mu$ F	E934	23T75478W19	ELY., 100 $\mu$ F / 16V
E905	23T75478W19	ELY., 100 $\mu$ F / 16V	E935	23T75478W15	ELY., 10 $\mu$ F / 16V
C906	08S65128F69	CP., 0.01 $\mu$ F	C997	23S82372F18	ELY., (B,P) 1 $\mu$ F / 50V
E906	23T75478W15	ELY., 10 $\mu$ F / 16V	C999	23S82372F18	ELY., (B,P) 1 $\mu$ F / 50V
C907	08S65128F69	CP., 0.01 $\mu$ F			
E907	23T75478W15	ELY., 10 $\mu$ F / 16V			
C908	08S65128F26	CP., 51pF			
E908	23T75478W15	ELY., 10 $\mu$ F / 16V			
C909	08S65128F20	CP., 24pF			
E909	23T75478W37	ELY., 1 $\mu$ F / 50V			
C910	08S65128F72	CP., 0.022 $\mu$ F			
E910	23T75478W37	ELY., 1 $\mu$ F / 50V			
C911	08S65128F69	CP., 0.01 $\mu$ F			
E911	23T75478W15	ELY., 10 $\mu$ F / 16V			

(All resistors are chip 1/10W $\pm$ 5% unless otherwise noted.)

## Resistors

R201	06S64995F84	20K ohm
R202	06S64995F84	20K ohm
R203	06S64995F84	20K ohm
R204	06S64995F77	10K ohm
R205	06S64995F77	10K ohm
R206	06S64995F84	20K ohm

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Symbo No.	Part No.	Description	Symbo No.	Part No.	Description
R207	06S64995F84	20K ohm	R827	06S70072F32	130 ohm 1/4W
R208	06S64995F84	20K ohm	R903	06S64995F26	75 ohm
R209	06S64995F84	20K ohm	R904	06S64995F26	75 ohm
R210	06S64995F77	10K ohm	R905	06S64995F29	100 ohm
R211	06S64995F77	10K ohm	R907	06S64995F84	20K ohm
R213	06S64995F02	100K ohm	R908	06S64995F84	20K ohm
R214	06S64995F53	1K ohm	R909	06S64995F53	1K ohm
R215	06S64995F53	1K ohm	R910	06S64995F53	1K ohm
R216	06S64995F89	33K ohm	R911	06S64995F41	330 ohm
R217	06S64995F93	47K ohm	R912	06S64995F53	1K ohm
R218	06S64995F45	470 ohm	R913	06S64995F47	560 ohm
R219	06S64995F53	1K ohm	R914	06S64995F47	560 ohm
R401	06S64995F69	4.7K ohm	R915	06S64995F53	1K ohm
R402	06S64995F93	47K ohm	R916	06S64995F77	10K ohm
R403	06S64995F77	10K ohm	R917	06S64995F77	10K ohm
R404	06S64995F89	4.7K ohm	R918	06S64995F77	10K ohm
R405	06S64995F53	1K ohm	R919	06S64995F77	10K ohm
R406	06S64995F84	20K ohm	R921	06S64995F97	68K ohm
R407	06S64995F53	1K ohm	R922	06S64995F76	9.1K ohm
R408	06S64995F91	2.2K ohm	R923	06S64995F92	43K ohm
R409	06S64995F02	100K ohm	R924	06S64995F77	10K ohm
R410	06S64995F84	20K ohm	R925	06S64995F97	68K ohm
R411	06S64995F03	47K ohm	R926	06S64995F64	3K ohm
R412	06S64995F91	15K ohm	R927	06S64995F53	1K ohm
R413	06S64995F93	47K ohm	R928	06S64995F91	39K ohm
R414	06S64995F84	20K ohm	R929	06S64995F91	39K ohm
R415	06S64995F81	15K ohm	R930	06S64995F91	39K ohm
R801	06S64995F77	10K ohm	R931	06S64995F93	47K ohm
R802	06S70072F63	2.7K ohm 1/4W	R932	06S64995F55	1.2K ohm
R803	06S70072F85	2.7K ohm 1/4W	R933	06S64995F05	130K ohm
R804	06S64995F79	12K ohm	R934	06S64995F77	10K ohm
R805	06S64995F77	10K ohm	R935	06S64995F77	10K ohm
R806	06S70072F63	2.7K ohm 1/4W	R936	06S64995F77	10K ohm
R807	06S70072F63	2.7K ohm 1/4W	R937	06S64995F77	10K ohm
R808	06S64995F79	12K ohm	R938	06S64995F77	10K ohm
R809	06S70072F53	1K ohm 1/4W	R939	06S64995F35	5.6M ohm
R810	06S70072F53	1K ohm 1/4W	R940	06S64995F43	390 ohm
R811	06S64995F61	2.2K ohm	R941	06S64995F61	2.2K ohm
R812	06S64995F10	220K ohm	R942	06S64995F70	5.1K ohm
R813	06S64995F71	5.6K ohm	R943	06S64995F77	10K ohm
R814	06S64995F66	75K ohm	R944	06S64995F35	5.6M ohm
R815	06S64995F66	62K ohm	R945	06S64995F53	1K ohm
R816	06S64995F89	30K ohm	R946	06S64995F35	5.6M ohm
R817	06S64995F70	5.1K ohm	R947	06S64995F51	820 ohm
R818	06S70072F49	680 ohm 1/4W	R948	06S64995F84	20K ohm
R820	06S70072F32	130 ohm 1/4W	R949	06S64995F84	20K ohm
R821	06S70072F32	130 ohm 1/4W	R950	06S64995F77	10K ohm
R822	06S70072F32	130 ohm 1/4W	R951	06S64995F53	1K ohm
R826	06S64995F05	10 ohm	R953	06S64995F75	8.2K ohm

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Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R958	06S64995F85	22K ohm			
R959	06S64995F85	22K ohm			
R960	06S64995F59	1K ohm			
R961	06S64995F84	20K ohm			
R962	06S64995F55	1.2K ohm			
R963	06S64995F88	30K ohm			
R964	06S64995F64	3K ohm			
R965	06S64995F76	9.1K ohm			
R966	06S64995F84	20K ohm			
R967	06S64995F85	22K ohm			
R968	06S64995F59	1K ohm			
VR901	18T45357W13	Variable, CP. 10K ohm			
VR902	18T45357W13	Variable, CP. 10K ohm			
VR903	18T45357W13	Variable, CP. 10K ohm			
VR904	18T45357W13	Variable, CP. 10K ohm			
VR905	18T45357W13	Variable, CP. 10K ohm			
Miscellaneous					
ET901	09T25842W08	Power Supply Connector			
ET901	09T85443W01	16P Connector (To Monitor Unit)			
JK201	09T75320W01	RCA Jack, NAVIGATION IN			
JK202	09T75321W01	RCA Jack, VCR IN			
S201	40T94688F03	Slide Switch, SSSF1214 (ATTENUATOR HIGH/LOW)			
VR906	18T55389W06	Rotary Volume, 50K ohm (COLOR)			
VR907	18T55389W06	Rotary Volume, 50K ohm (TINT)			
VR908	18T55389W06	Rotary Volume, 50K ohm (BRIGHT)			

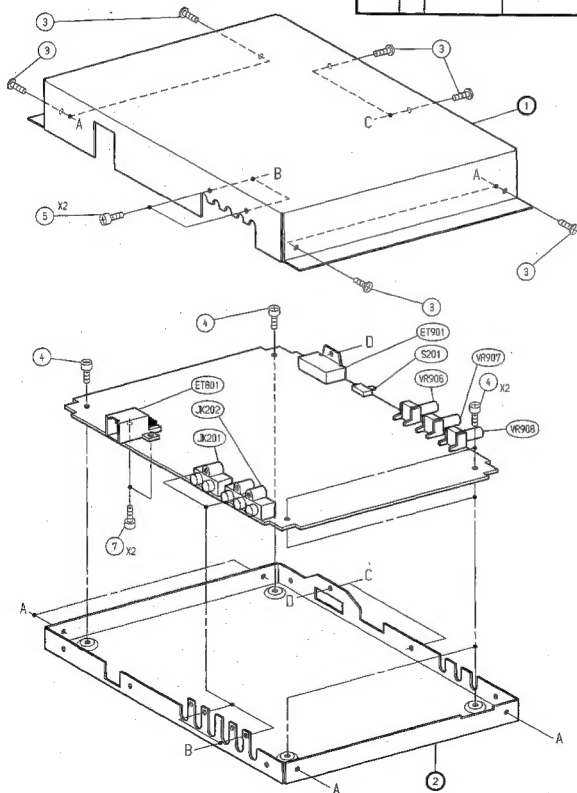


## Exploded View (Cabinet)

## Cabinet Assembly Parts List

NOTE: No parts number on parts list are not supplied.

Symbol	Index	Part No.	Description
No.			
3		03S38013W33	Screw, Flat (M2.6X5)
4		03S44205G48	Screw, Pan (M2.6X5)
5		03S68555F42	Screw, Pan (M3X8)
7		03S63857F51	Screw, Tapping (M3X10)



# Monitor Unit

## Contents

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Cabinet Assembly Parts List

## Specifications

Screen Size	6-type
Display System	Low reflection rear projection type TN liquid crystal panel
Drive System	Active matrix drive, normally white display
Number of Picture Elements	228, 480 pcs. NTSC (H : 960×V : 238 dots) 230, 400 pcs. PAL (H : 960×V : 240 dots)
Light Source	Internal optical system (U-type cold cathode fluorescent tube)
Semiconductors	6 IC's, 14 Transistors, 2 Diodes, 3 Zener Diodes
Dimensions (W×H×D)	171×127×33mm
Weight	510g

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

## Adjustment Procedures

### 1) Preparation for adjustments

- ① Connect the AV interface unit to the Monitor unit.
- ② Connect the DC voltage regulator power supply of  $14.4 \pm 0.1V$  to the power supply connector (ET801).
- ③ Set each switch of the AV interface unit to the following position.
  - ATTENUATOR switch (S201) ..... [LOW]
  - Volume, COLOR (VR906) / TINT (VR907) / BRIGHT (VR908) ..... [Center Position]
  - Set each switch of the Monitor unit to the following position.
  - Main POWER Switch (S500) ..... [STAND BY]
  - DIMMER Switch (S501) ..... [HIGH]
- ④ Supply the composite video signal (color bar signal including 100% white) to the VIDEO Input terminal (JK202-1) on the AV interface Unit.

### 2) Free-run frequency adjustment (VR600) - Screen centering adjustment.

- ① Connect the DC voltmeter (full-scale more than 5V, resolution 10mV) between T.P.600 (PLL Adjust) and T.P.307 (GND).
- ② Adjust VR600 until the voltage between T.P.s above becomes  $1.7 \pm 0.1V$ .

NOTE : For the Adjustment parts and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.



## Terminal Voltage of IC/TR

IC160	IC300	IC405	IC500	IC501	D500
1 NC	1 4.914V	1 5.022V	1-3 2.182V	1 waveform185	1 (A) -21.23V
2 0.533mV	2 10μV	2 0.542mV	4 -5.521V	2 10μV	2 (C) waveform235
3 waveform245, 246	3 7.235V	3 5.01V at Harmonic Signal Resonance : waveform260	5 2.016V	3 -20.61V	3 (A) -21.32V
4 0.533mV			6 1.999V	4 -21.32V	
5 waveform247, 248			7 1.729V	5 -20.69V	
6 5.96V			8 7.017V	6,7 7.017V	
7 waveform242			8 waveform185		
8 NC					

LD500

A	1.69V
C	0.508mV

IC500	IC540
1 4.914V	30 waveform194
2 waveform185	31 4.914V
3-5 4.914V	32 10μV
7 1.094V	33 waveform195
8 waveform187	34 waveform196
9 24.04mV	35 waveform195
10 1.094V	36 4.881V
11 waveform188	37-40 4.914V
12 24.04mV	41 4.882V
13 10μV	42 4.914V
14 4.839V	43 10μV
15 1.094V	44 4.914V
16 waveform188	45 waveform197
17 24.04mV	46 waveform198, 199
18, 19 10μV	47 waveform200
20 waveform190	48 waveform201
21 waveform191	49 waveform202
22 waveform192, 193	50 waveform203
23, 24 NC	51 waveform204, 205
25-28 4.914V	52 10μV

Q540
E 76.2mV waveform251
C 162mV at Back Light Low (DIMMER IN "H") : 6.86V
B 5.309V at Back Light Low (DIMMER IN "H") : 25mV

Q541
E 7.262V at Back Light Low (DIMMER IN "H") : 7.306V
C 7.202V at Back Light Low (DIMMER IN "H") : 6.819V
B 5.402V at Back Light Low (DIMMER IN "H") : 6.830V

Q900
E 76.2mV waveform251
C waveform252 at Back Light Low (DIMMER IN "H") : waveform253
B waveform254 at Back Light Low (DIMMER IN "H") : waveform255

Q901
E 76.2mV waveform251
C waveform256 at Back Light Low (DIMMER IN "H") : waveform257
B waveform258 at Back Light Low (DIMMER IN "H") : waveform259

	E	C	B
Q500	1.094V	10μV	0.444mV
Q500	-5.521V	-21.81V	-2.854V
Q504	4.914V	waveform232	waveform233, 234
Q505	7.017V	waveform236	waveform238

	I (A)	S (C)
Q501	4.914V	waveform248
Q503	10μV	7.256V
Q505	-20.66V	10μV
Q506	-3.67V	10μV
VD600	-335mV	waveform344

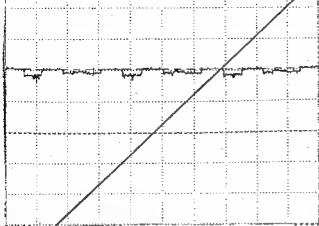
	1	2	3	4	5	6
Q501	waveform227, 228	waveform227, 228	10μV	-20.58V	waveform227, 228	10μV
Q502	waveform228	waveform228	10μV	waveform230	waveform229	10μV
Q503	waveform230	waveform231	-21.91V	waveform231	waveform231	-21.91V
Q503	waveform237	waveform227	4.914V	waveform238	waveform237	4.914V
Q501	waveform239	waveform239	4.914V	waveform240	waveform239	4.914V
Q502	waveform241	waveform241	4.914V	waveform242	waveform241	4.914V

NOTE : For the terminal voltage not mentioned, the voltage indication is omitted for the voltage varies depend on the operation mode.

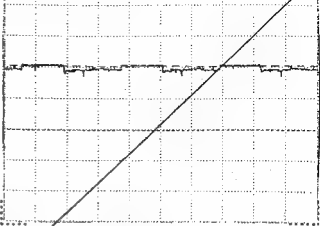
## [Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : AV Interface Unit Connection
- RF : Color bar input (30ch1 ANT1)
- DIMMER SW : AUTO Mode (DIMMER IN terminal : OPEN)
- Speaker Volume : MAX
- FMT : ON (30ch)
- NAVI input : No signal
- VIDEO input : No signal

CH1 01  
5.000



CH1 01  
5.000



波形 No. 182

Volt/Div= 1 V/Div

DC · AC

Time/Div= 20  $\mu$  S/Div

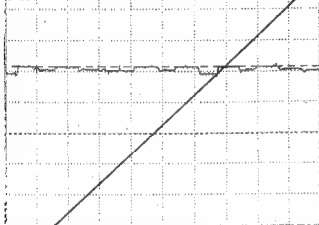
波形 No. 183

Volt/Div= 1 V/Div

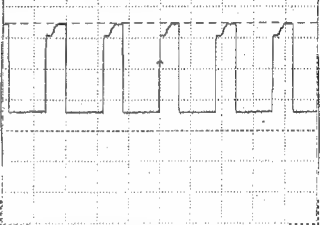
DC · AC

Time/Div= 20  $\mu$  S/Div

CH1 01  
5.000



CH1 01  
10.000



波形 No. 184

Volt/Div= 1 V/Div

DC · AC

Time/Div= 10  $\mu$  S/Div

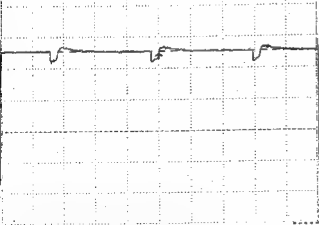
No. 185

Volt/Div= 2 V/Div

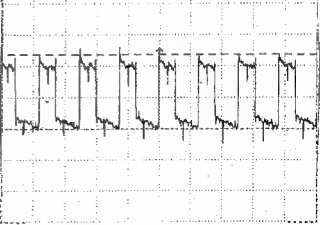
DC · AC

Time/Div= 10  $\mu$  S/Div

CH1 01  
10.000



CH1 01  
2.500



No. 186

Volt/Div= 2 V/Div

DC · AC

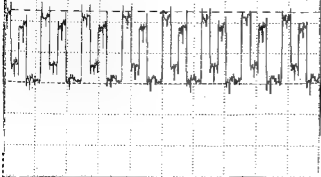
Time/Div= 20  $\mu$  S/Div

No. 187

Volt/Div= 500m V/Div

DC · AC

Time/Div= 50  $\mu$  S/Div

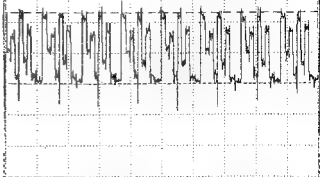
CH1 U1  
2.500


No. 188

Volt/Div= 500m V/Div

⓪ · AC

Time/Div= 50 μ S/Div

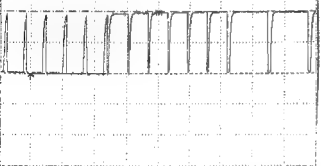
 CH1 U1  
2.500


No. 189

Volt/Div= 500m V/Div

⓪ · AC

Time/Div= 50 μ S/Div

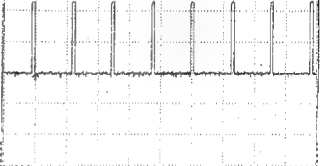
 CH1 U1  
10.000


No. 190

Volt/Div= 2 V/Div

⓪ · AC

Time/Div= 50 μ S/Div

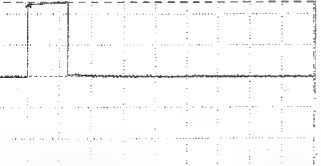
 CH1 U1  
10.000


No. 191

Volt/Div= 2 V/Div

⓪ · AC

Time/Div= 50 μ S/Div

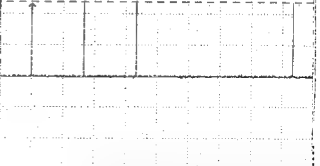
 CH1 U1  
10.000


No. 192

Volt/Div= 2 V/Div

⓪ · AC

Time/Div= 50 μ S/Div

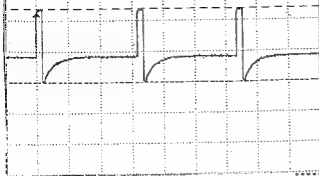
 CH1 U1  
10.000


No. 193

Volt/Div= 2 V/Div

⓪ · AC

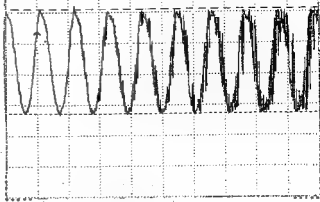
Time/Div= 10m S/Div

CH1 01  
10.000

No. 194

Volt/Div= 2 V/Div

100 AC

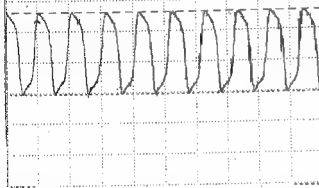
Time/Div= 20  $\mu$ S/DivCH1 01  
10.000

No. 195

Volt/Div= 2 V/Div

100 AC

Time/Div= 50 nS/Div

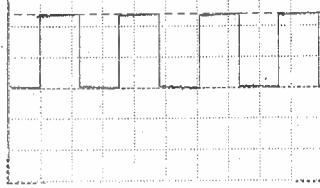
CH1 01  
10.000

No. 196

Volt/Div= 2 V/Div

100 AC

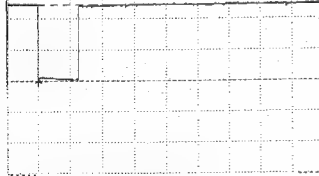
Time/Div= 50 nS/Div

CH1 01  
10.000

No. 197

Volt/Div= 2 V/Div

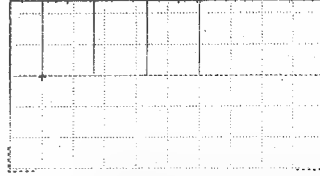
100 AC

Time/Div= 50  $\mu$ S/DivCH1 01  
10.000

No. 198

Volt/Div= 2 V/Div

100 AC

Time/Div= 50  $\mu$ S/DivCH1 01  
10.000

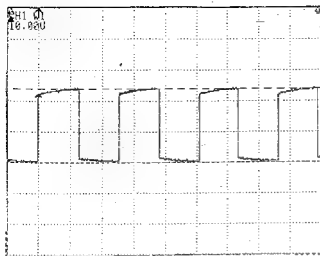
No. 199

Volt/Div= 2 V/Div

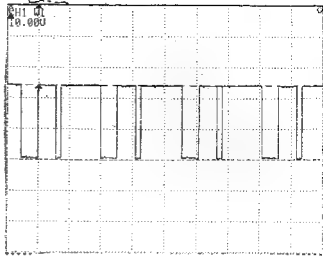
100 AC

Time/Div= 10 mS/Div

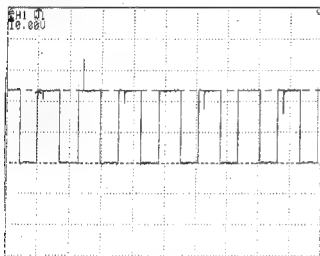




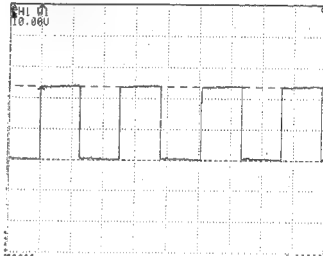
No. 200 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 50 μs/Div



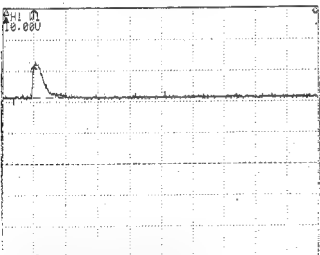
No. 201 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 50 μs/Div



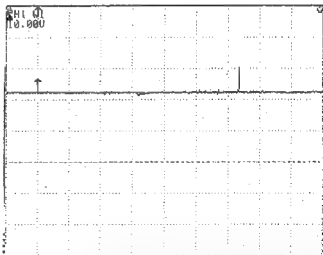
No. 202 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 50 μs/Div



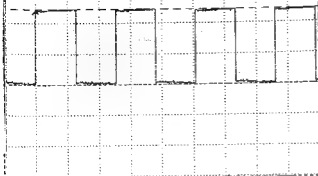
No. 203 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 50 μs/Div



No. 204 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 200 n s/Div



No. 205 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 20 μs/Div

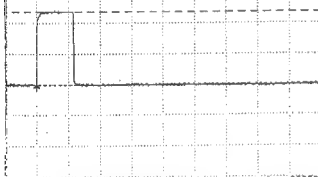
CH1 01  
10.000


No. 206

Volt/Div= 2 V/Div

10 · AC

Time/Div= 50 μs/Div

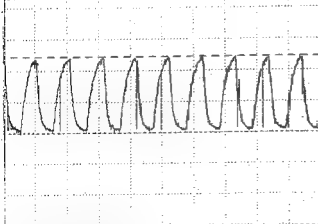
 CH1 01  
10.000


No. 207

Volt/Div= 2 V/Div

10 · AC

Time/Div= 500 ns/Div

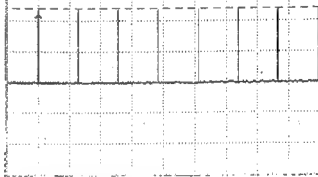
 CH1 01  
10.000


No. 209

Volt/Div= 2 V/Div

10 · AC

Time/Div= 100 ns/Div

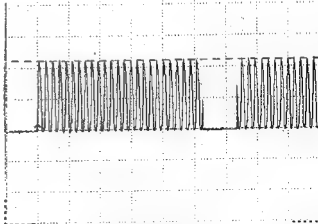
 CH1 01  
10.000


No. 208

Volt/Div= 2 V/Div

10 · AC

Time/Div= 50 μs/Div

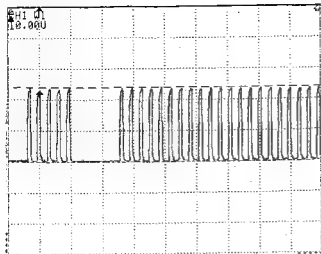
 CH1 01  
10.000


No. 210

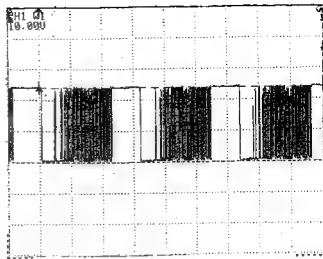
Volt/Div= 2 V/Div

DC · AC

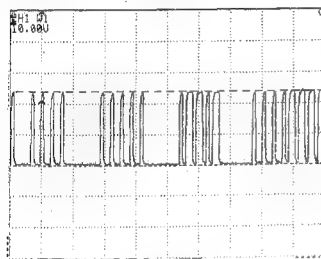
Time/Div= 10 μs/Div



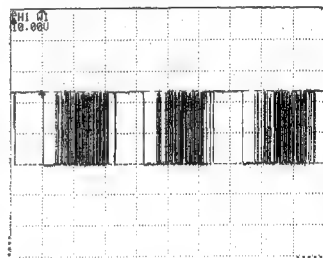
No. 211 Volt/Div= 2 V/Div  
DC · AC Time/Div= 500 n S/Div



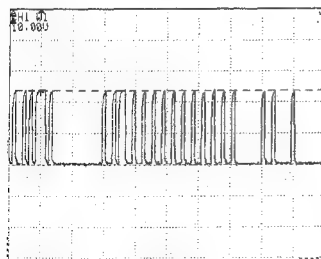
No. 212 Volt/Div= 2 V/Div  
DC · AC Time/Div= 20 μ S/Div



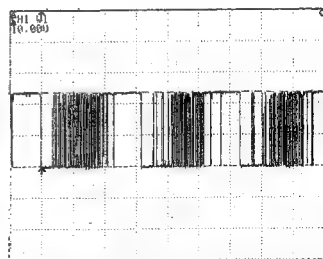
No. 213 Volt/Div= 2 V/Div  
DC · AC Time/Div= 500 n S/Div



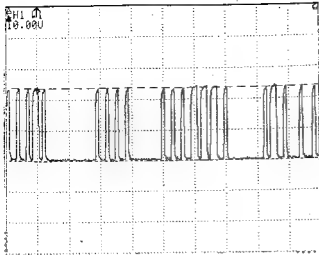
No. 214 Volt/Div= 2 V/Div  
DC · AC Time/Div= 20 μ S/D



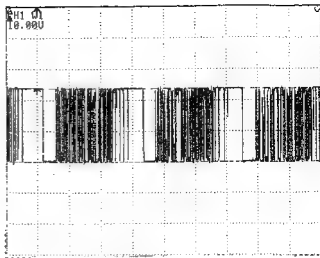
No. 215 Volt/Div= 2 V/Div  
DC · AC Time/Div= 500 n S/Div



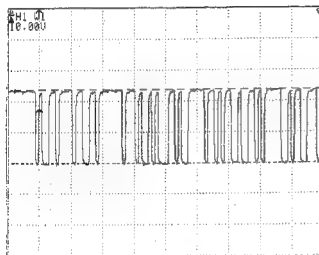
No. 216 Volt/Div= 2 V/Div  
DC · AC Time/Div= 20 μ S/Div



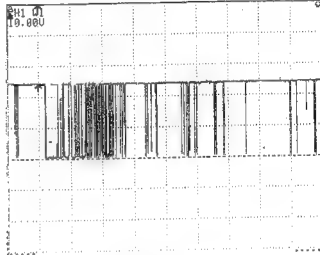
No. 217 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 500 n S/Div



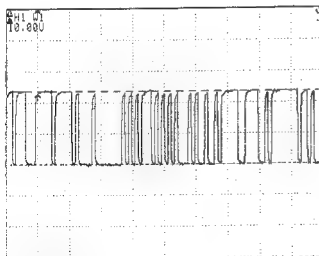
No. 218 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 20 μ S/Div



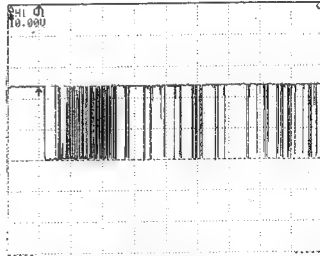
No. 219 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 500 n S/Div



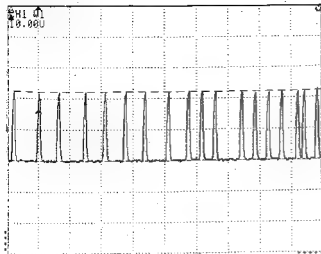
No. 220 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 10 μ S/Div



No. 221 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 500 n S/Div



No. 222 Volt/Div= 2 V/Div  
 DC · AC Time/Div= 10 μ S/Div

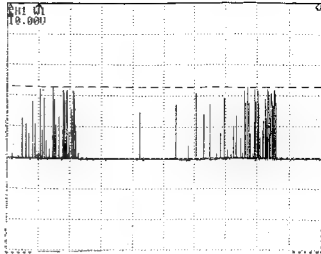


No. 223

Volt/Div= 2 V/Div

DC · AC

Time/Div= 500 ns/Div

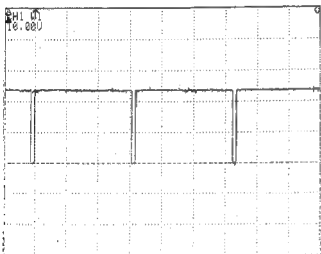


No. 224

Volt/Div= 2 V/Div

DC · AC

Time/Div= 10 μs/Div

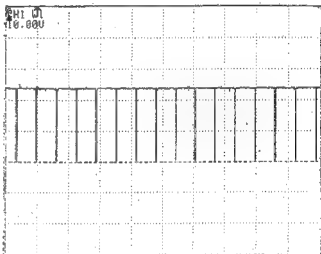


No. 225

Volt/Div= 2 V/Div

DC · AC

Time/Div= 20 μs/Div

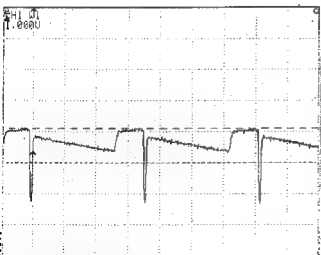


No. 226

Volt/Div= 2 V/Div

DC · AC

Time/Div= 100 μs/Div

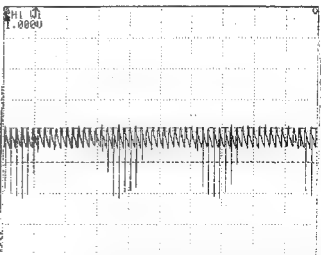


No. 227

Volt/Div= 200 mV/Div

DC · AC

Time/Div= 5 μs/Div



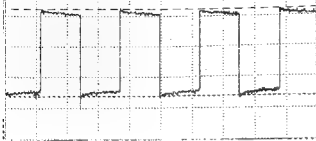
No. 228

Volt/Div= 200 mV/Div

DC · AC

Time/Div= 100 μs/Div

CH1 01  
2.50u



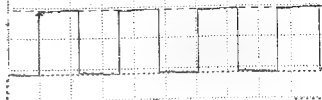
No. 229

Volt/Div= 500m V/Div

00·AC

Time/Div= 50 μ S/Div

CH1 01  
50.00u



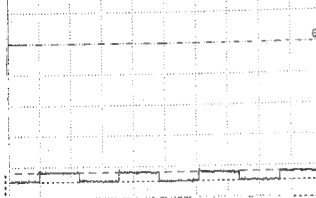
No. 230

Volt/Div= 10 V/Div

00·AC

Time/Div= 50 μ S/Div

CH1 01  
15.00u

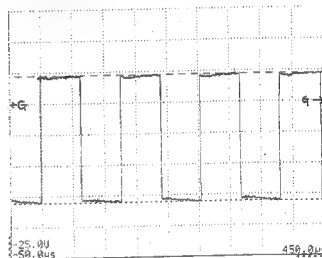


No. 231

Volt/Div= 5 V/Div

00·AC

Time/Div= 50 μ S/Div



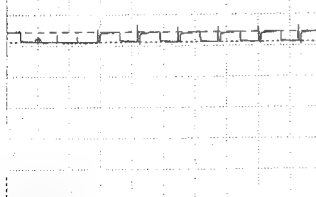
No. 232

Volt/Div= 5 V/Div

00·AC

Time/Div= 50 μ S/Div

CH1 01  
10.00u



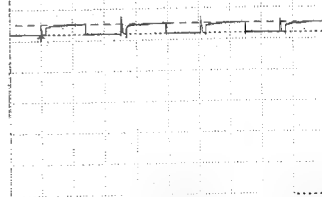
No. 233

Volt/Div= 2 V/Div

00·AC

Time/Div= 100 μ S/Div

CH1 01  
10.00u



No. 234

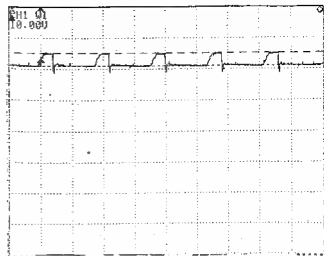
Volt/Div= 2 V/Div

00·AC

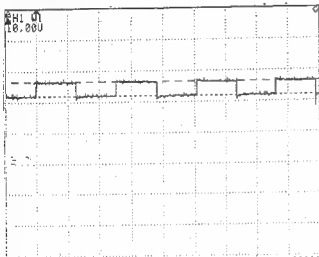
Time/Div= 50 μ S/Div



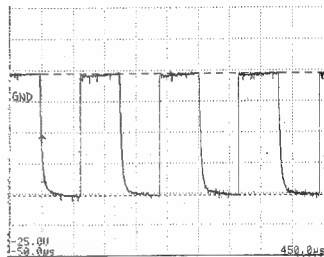
No. 235 Volt/Div= 10 V/Div  
DC · AC Time/Div= 10 μ S/Div



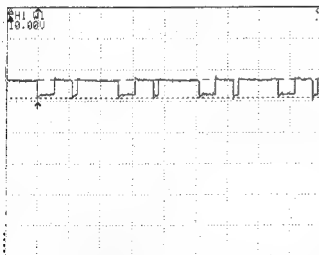
No. 236 Volt/Div= 2 V/Div  
DC · AC Time/Div= 10 μ S/Div



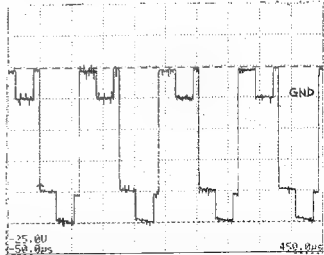
No. 237 Volt/Div= 2 V/Div  
DC · AC Time/Div= 50 μ S/Div



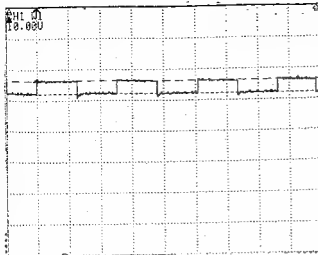
No. 238 Volt/Div= 5 V/Div  
DC · AC Time/Div= 50 μ S/D



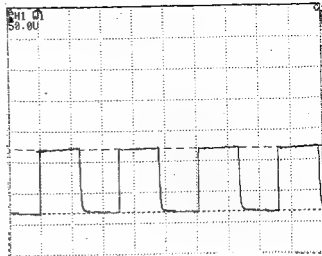
No. 239 Volt/Div= 2 V/Div  
DC · AC Time/Div= 50 μ S/Div



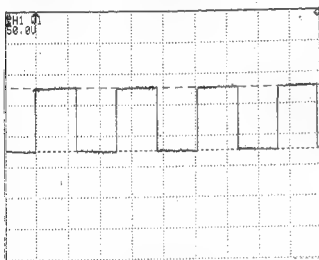
No. 240 Volt/Div= 5 V/Div  
DC · AC Time/Div= 50 μ S/Div



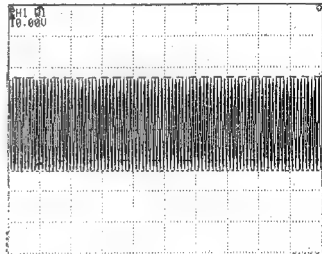
No. 241 Volt/Div= 2 V/Div  
 10 AC Time/Div= 50  $\mu$  S/Div



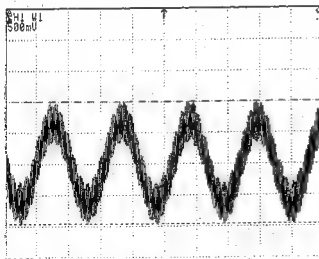
No. 242 Volt/Div= 10 V/Div  
 10 AC Time/Div= 50  $\mu$  S/Div



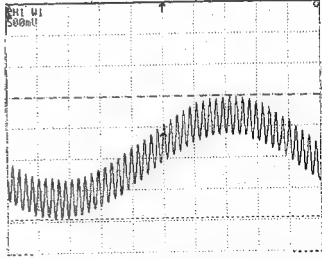
No. 243 Volt/Div= 10 V/Div  
 DC AC Time/Div= 50  $\mu$  S/Div



No. 244 Volt/Div= 2 V/Div  
 10 AC Time/Div= 500 n S/Div

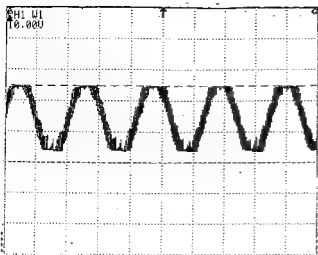


No. 245 Volt/Div= 100 m V/Div  
 DC AC Time/Div= 500  $\mu$  S/Div

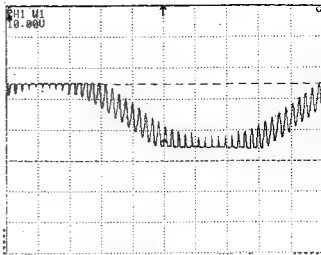


No. 246 Volt/Div= 100 m V/Div  
 DC AC Time/Div= 100  $\mu$  S/Div

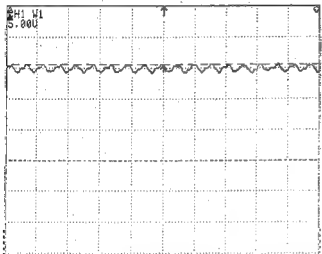




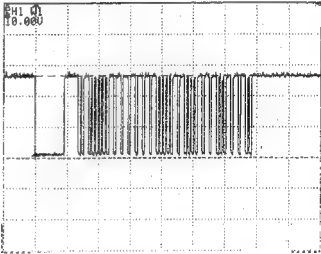
No. 247 Volt/Div= 2 V/Div  
 60 · AC Time/Div= 500 μs/Div



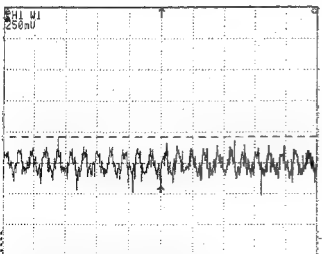
No. 248 Volt/Div= 2 V/Div  
 60 · AC Time/Div= 100 μs/Div



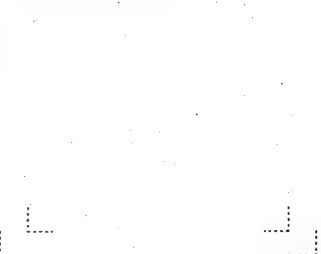
No. 249 Volt/Div= 1 V/Div  
 60 · AC Time/Div= 2 ms/Div



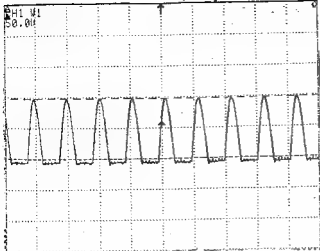
No. 250 Volt/Div= 2 V/Div  
 60 · AC Time/Div= 10 ms/Div



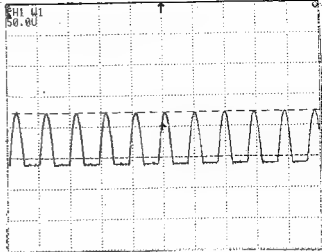
No. 251 Volt/Div= 50 mV/Div  
 DC · AC Time/Div= 50 μs/Div



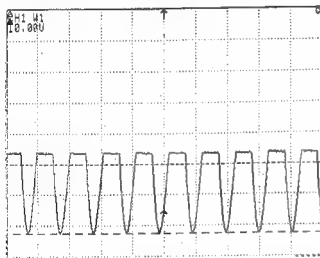
No. 252 Volt/Div= 50 mV/Div  
 DC · AC Time/Div= 50 μs/Div



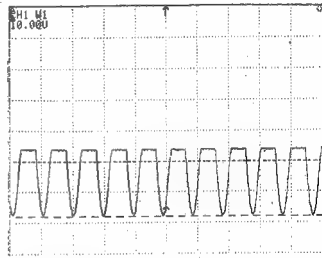
No. 252 Volt/Div= 10 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div



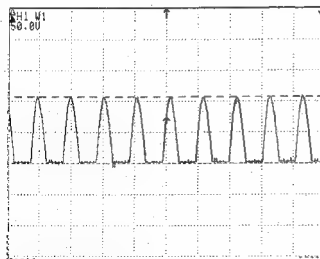
No. 253 Volt/Div= 10 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div



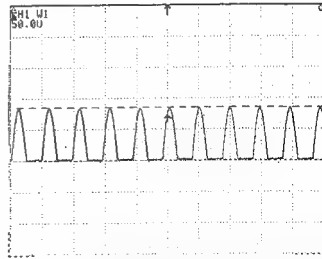
No. 254 Volt/Div= 2 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div



No. 255 Volt/Div= 2 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div

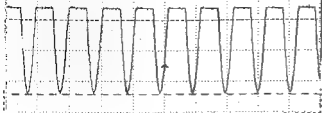


No. 256 Volt/Div= 10 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div



No. 257 Volt/Div= 10 V/Div  
 10 · AC Time/Div= 20  $\mu$ S/Div

CH1 U1  
10.000



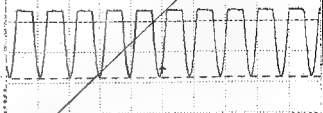
No. 258

Volt/Div= 2 V/Div

DC · AC

Time/Div= 20  $\mu$ S/Div

CH1 U1  
10.000



No. 259

Volt/Div= 2 V/Div

DC · AC

Time/Div= 20  $\mu$ S/Div

波形 No.

Volt/Div= V/Div

DC · AC

Time/Div= S/Div

波形 No.

Volt/Div= V/Div

DC · AC

Time/Div= S/Div

波形 No.

Volt/Div= V/Div

DC · AC

Time/Div= S/Div

波形 No.

Volt/Div= V/Div

DC · AC

Time/Div= S/Div

## Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor :  $\mu$ F = microfarads, pF = picofarads

Abbreviations			Symbol No.	Part No.	Description			
RES.= Resistor	CAP.= Capacitor		Filters					
C.F.= Carbon Film	ELY.= Electrolytic							
M.F.= Metal Film	CER.= Ceramic							
M.O.= Metal Oxide Film	MYL.= Mylar							
M.P.= Metal Plate	TAN.= Tantalum							
TR. = Transistor	POLY.= Polystyrol		Z900	25E24596S01	EMI, CP, BLM21B751SPT			
TRANS.= Transformer	PP. = Polypropylene		Z301	25E24596S01	EMI, CP, BLM21B751SPT			
CP. = Chip	PLT.= Polyethylene		Z302	25E24596S01	EMI, CP, BLM21B751SPT			
	PF. = Polyester Film		Coils / Thermistor					
Symbol No.	Part No.	Description						
Control P.C.Board								
IC's								
IC300	51E24494S01	HA178L05JA						
IC500	51E24245S01	BA10358F	L600	24E25077S01	Inductor, 1mH			
IC501	51E24260S01	M5291FP	TH500	48E24557S01	Inductor, CP, 2.2 $\mu$ H			
IC600	51E25076S01	EV9513C			Thermistor, CP, 20K ohm			
Transistors			Capacitors					
						Q300	48E24502S01	CP., 2SB709A
						Q500	48E24502S01	CP., 2SB709A
						Q501	48E24503S01	CP., XN4601
						Q502	48E24503S01	CP., XN4601
Q503	48E24503S01	CP., XN4601	E300	23E25068S01	ELY., 100 $\mu$ F / 16V			
Q504	48E24502S01	CP., 2SB709A	E301	23E24673S01	ELY., 100 $\mu$ F / 6.3V			
Q505	48E25078S01	CP., 2SB799	E302	23E25064S01	ELY., 47 $\mu$ F / 6.3V			
Q600	48E24503S01	CP., XN4601	E308	23E24673S01	ELY., 100 $\mu$ F / 6.3V			
Q601	48E24503S01	CP., XN4601	C367	23E25111S01	ELY., (B.P) 10 $\mu$ F / 16V			
Q602	48E24503S01	CP., XN4601	C398	23E25111S01	ELY., (B.P) 10 $\mu$ F / 16V			
Diodes			C399	23E25111S01	ELY., (B.P) 10 $\mu$ F / 16V			
			C500	08E24545S01	CP., 1000pF			
			C501	08E24547S01	CP., 0.01 $\mu$ F			
			E501	23E25110S01	ELY., 47 $\mu$ F / 16V			
			E502	23E25109S01	ELY., 22 $\mu$ F / 35V			
D500	48E24504S01	CP., MA142WK	C503	08E24549S01	CP., 0.033 $\mu$ F			
D501	48E24510S01	CP., RB110C	E503	23E25109S01	ELY., 22 $\mu$ F / 35V			
ZD500	48E24509S01	Zener, CP, MA3160-H	C504	08E24543S01	CP., 0.1 $\mu$ F			
ZD501	48E25079S01	Zener, CP, MA3330-L	E504	23E25060S01	ELY., 3.3 $\mu$ F / 50V			
ZD600	48E24508S01	Zener, CP, MA3050-L	C505	08E24662S01	CP., 2200pF			
VD600	48E2562S01	Varactor, CP, 1T363A	E505	23E25061S01	ELY., 10 $\mu$ F / 16V			
			C506	08E24548S01	CP., 4700pF			
			C507	08E25105S01	CP., 0.47 $\mu$ F			
			C599	23E25111S01	ELY., (B.P) 10 $\mu$ F / 16V			
			C600	08E24645S01	CP., 0.33 $\mu$ F			
			C601	08E25043S01	CP., 4700pF			
			C602	08E24545S01	CP., 1000pF			
			C603	08E25045S01	CP., 110pF			

# TME-M006SP

Symbol No.	Part No.	Description
C604	08E24548S01	CP., 0.1µF
C605	08E24547S01	CP., 0.01µF
C606	08E24547S01	CP., 0.01µF
C607	08E24544S01	CP., 470pF
C608	08E24545S01	CP., 1000pF
C609	08E24545S01	CP., 1000pF
C610	08E24545S01	CP., 1000pF
C611	08E24545S01	CP., 1000pF
C612	08E24540S01	CP., 1µF
C613	08E24544S01	CP., 470pF
C614	08E24544S01	CP., 470pF
C615	08E24540S01	CP., 1µF
C617	08E24547S01	CP., 0.01µF
C618	08E24545S01	CP., 1000pF
C619	08E24545S01	CP., 1000pF
C620	08E24547S01	CP., 0.01µF
C621	08E24545S01	CP., 0.33µF
C622	08E24547S01	CP., 0.01µF
C623	08E24547S01	CP., 0.01µF
C624	08E25106S01	CP., 100pF
C625	08E25106S01	CP., 100pF
C626	08E24547S01	CP., 0.01µF
C627	08E24547S01	CP., 0.01µF
C628	08E24547S01	CP., 0.01µF
C629	08E24540S01	CP., 1µF

(All resistors are chip 1/10W±5% unless otherwise noted.)

## Resistors

R300	06E25082S01	1K ohm
R301	08E24539S01	1K ohm 1/16W X 4
R302	06E25098S01	3.3 ohm
R307	06E25095S01	390 ohm
R308	06E25098S01	3.9K ohm
R309	06E25095S01	390 ohm
R500	08E24684S01	33K ohm
R501	06E25098S01	3.3 ohm
R502	06E25086S01	18K ohm
R503	06E25097S01	39K ohm
R504	06E25103S01	82K ohm
R505	06E25088S01	3.9K ohm
R506	06E25093S01	27K ohm
R507	06E25082S01	1K ohm
R508	08E25087S01	16K ohm
R509	08E25102S01	680 ohm
R510	06E25082S01	1K ohm

Symbol No.	Part No.	Description
R511	06E25082S01	1K ohm
R512	06E25086S01	12K ohm
R513	06E25089S01	22 ohm
R514	06E25100S01	4.7K ohm
R515	06E25100S01	4.7K ohm
R516	06E25099S01	470 ohm
R517	06E25100S01	4.7K ohm
R518	06E25082S01	1K ohm
R519	06E25099S01	470 ohm
R600	06E25100S01	4.7K ohm
R601	06E25093S01	27K ohm
R602	06E25094S01	330 ohm
R603	06E25101S01	47K ohm
R604	06E25083S01	10K ohm
R605	06E25098S01	3.3 ohm
R607	06E25084S01	100K ohm
R608	06E25091S01	2.2K ohm
R609	06E25098S01	3.3 ohm
R610	08E25092S01	2.7K ohm
R611	06E25091S01	100 ohm
R612	06E25082S01	2.7K ohm
R614	06E25090S01	220 ohm
R615	06E25090S01	220 ohm
R618	06E25104S01	390 ohm 1/16W X 4
R619	06E25104S01	390 ohm 1/16W X 4
R624	06E25085S01	1M ohm
R625	06E25085S01	1M ohm
VR500	18E25078S01	Variable, 22K ohm
VR600	18E24497S01	Variable, 50K ohm

## SUB (1) P.C.Board

### IC

IC160	51E25114S01	NJM386D
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### Transistors

Q540	48E24271S01	CP., UN2211
Q541	48E24679S01	CP., 25B1205
Q900	48E24289S01	CP., 25D1758
Q901	48E24289S01	CP., 25D1758

Symbol No.	Part No.	Description
<b>Coil / Transformer</b>		
L900	24E24678S01	Inductor, 100µH
T900	25E24677S01	Transformer, Power 3000559
<b>Switches / Fuse</b>		
S500	40E24261S01	Slide, ESD11H120 (POWER)
S501	40E24261S01	Slide, ESD11H120 (DIMMER)
F640	65E24287S01	Fuse, CCP2E13 (0.52A)
<b>Capacitors</b>		
C180	08E24845S01	CP., 0.33µF
C181	08E24862S01	CP., 2200pF
E181	23E25119S01	ELY., 220µF / 10V
C182	08E24848S01	CP., 0.1µF
E182	23E25120S01	ELY., 100µF / 6.3V
C183	08E24848S01	CP., 0.1µF
E183	23E25121S01	ELY., 22µF / 16V
E184	23E25122S01	ELY., 3.3µF / 50V
C189	08E24848S01	CP., 0.33µF
C260	08E24845S01	CP., 1000pF
E440	23E25120S01	ELY., 100µF / 6.3V
E640	23E25120S01	ELY., 33µF / 16V
E641	23E25121S01	ELY., 22µF / 16V
C900	08E24864S01	ECQVJ1J124JM, 0.12µF
E900	23E25119S01	ELY., 220µF / 10V
C902	08E24854S01	CP., 0.02µF
C903	08E24886S01	DE0707SL470J3K, 47pF
C904	08E24886S01	DE0707SL470J3K, 47pF
(All resistors are chip 1/10W±5% unless otherwise noted.)		
<b>Resistors</b>		
R170	08E25129S01	68 ohm 1/4W
R171	08E25129S01	68 ohm 1/4W
R172	08E25129S01	68 ohm 1/4W
R173	08E25082S01	10K ohm
R174	08E25082S01	1K ohm

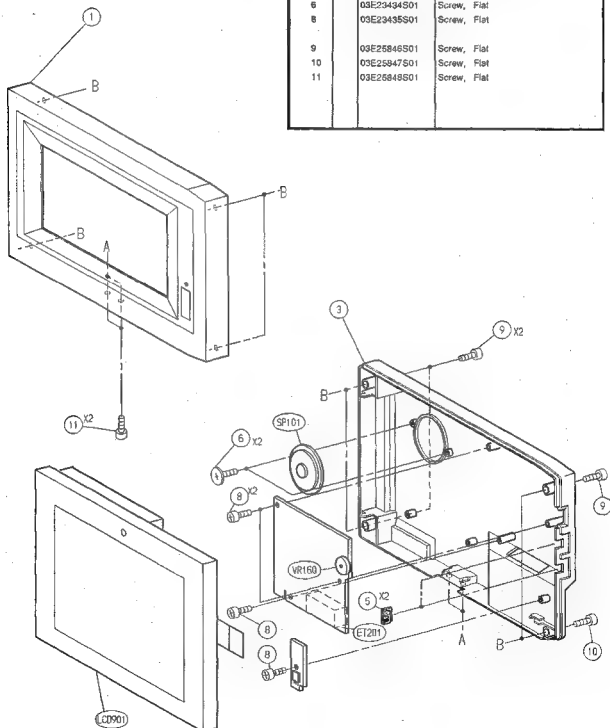
Symbol No.	Part No.	Description
R175	08E24684S01	33K ohm
R176	08E25100S01	4.7K ohm
R177	08E25129S01	68 ohm 1/4W
R547	08E24681S01	ERG1SG150P, 15 ohm 1W
R548	08E24616S01	180 ohm 1/4W
R549	08E24616S01	180 ohm 1/4W
R550	08E24680S01	ERG1SG120P, 12 ohm 1W
R551	08E24680S01	ERG1SG120P, 12 ohm 1W
R557	08E24683S01	10 ohm 1/8W
R558	08E25118S01	620 ohm
R559	08E25100S01	4.7K ohm
R900	08E25082S01	1K ohm
<b>SUB (2) P.C.Board</b>		
<b>IC</b>		
IC405	51E24220S01	PNA4602M00LB
<b>LED</b>		
LD500	48E24693S01	LED, SLR-330U (ORG)
<b>Miscellaneous</b>		
ET201	09E24707S01	16P Connector (From TV Tuner Unit)
LCD901	01E25642S01	Assy., LCD Unit (Included Assy., Control P.C.Board)
SP101	50E25134S01	Speaker
VR160	18E24288S01	Volume, 5K ohm (VOLUME)

## Exploded View (Cabinet)

## Cabinet Assembly Parts List

NOTE: No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description
1		01E25841S01	Assy., Case Surface
3		15E25845S01	Case, Bottom
5		36E23431S01	Lever, Switch
6		03E23434S01	Screw, Flat
8		03E23435S01	Screw, Flat
9		03E25846S01	Screw, Flat
10		03E25847S01	Screw, Flat
11		03E25848S01	Screw, Flat

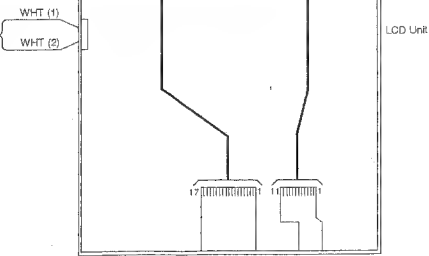


LCD901 Assy., LCD Unit

## Control P.C.Board



To CB600		To CB601	
17	1	11	1



A	B	C	D	E	F	G
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LCD801 Assy., LCD Unit

**Sub (1) P.C.Board**

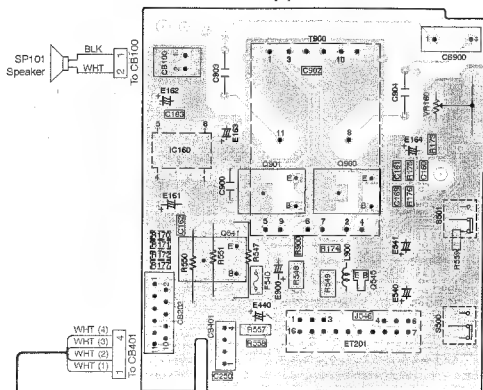
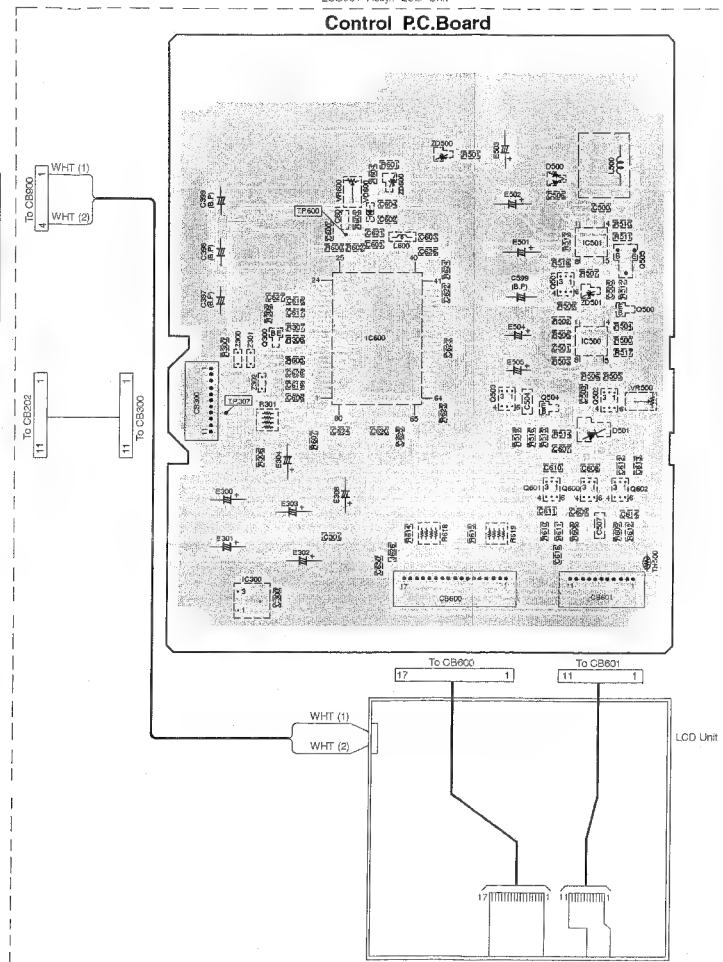


Diagram of the CH401 module showing the connection of the WHT (1) through WHT (4) to the CH401 module. The module includes a CH401 chip, a 10000 resistor, and a C105 capacitor.



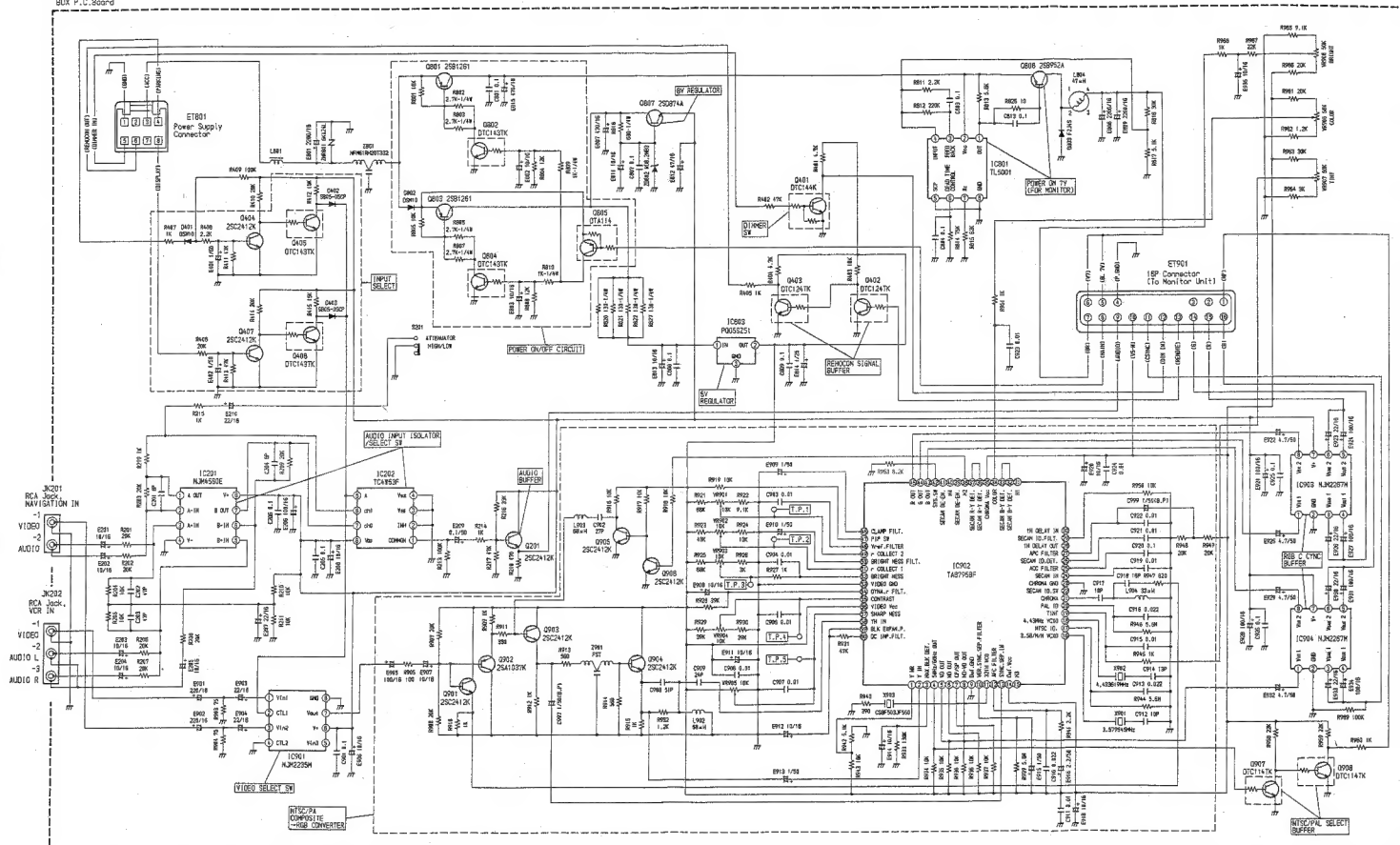
Orange Color Pattern :Component Side Pattern  
Blue Color Pattern :Foil Side Pattern

LCD Unit

# Schematic Diagram

TME-M006SP

BOX P.C. Board



## TME-M006SP

## Terminal Voltage of IC/TR

IC201 IC803 IC902 IC903, 904

8	8V	1	5V	36	5V	7	8V
		3	10.5V				

	E	C	B
CB01	14.2V	14.1V	---
CB03	13.4V	13.3V	---
CB05	13.4V	---	---
CB06	14V	PS	---
CB07	8.1V	13.3V	---

NOTE : For the terminal voltage not mentioned, the voltage indication is omitted for the voltage varies depend on the operation mode.

## [Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : Monitor Unit Connection

## Electrical Parts List

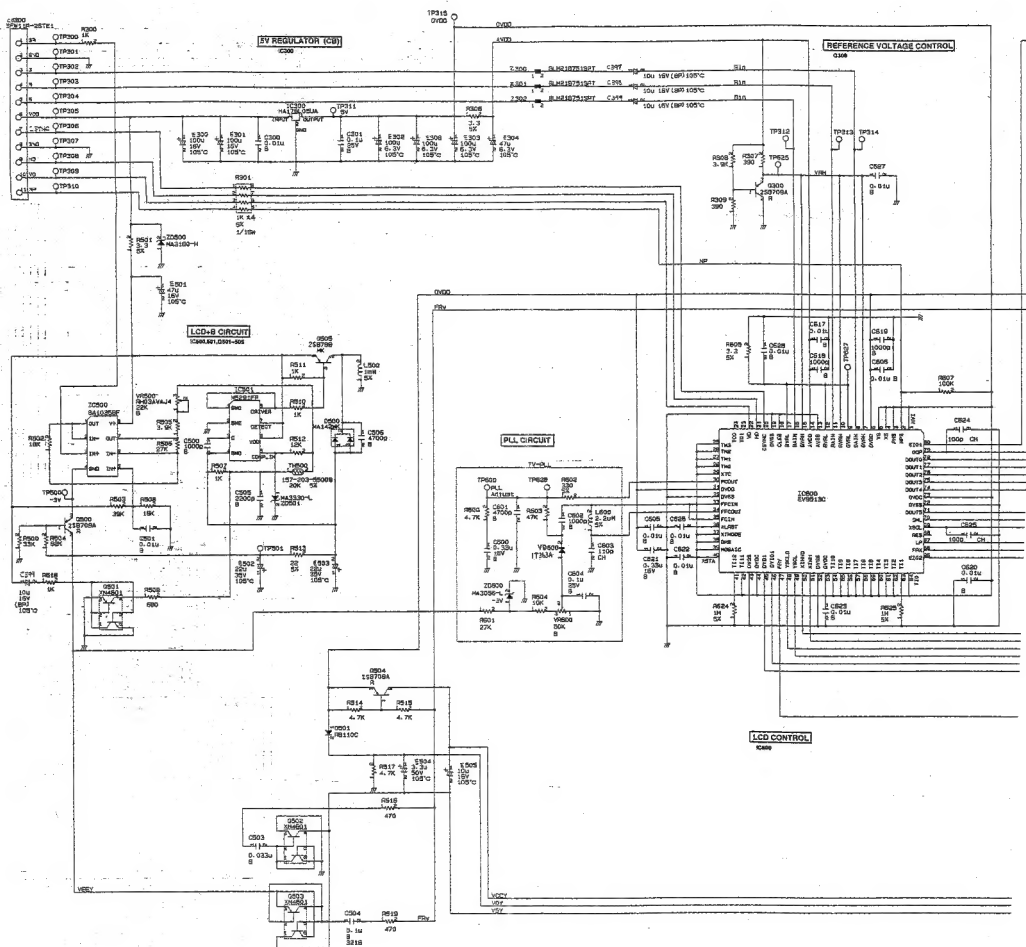
Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor :  $\mu$ F=microfarads, pF=picofarads

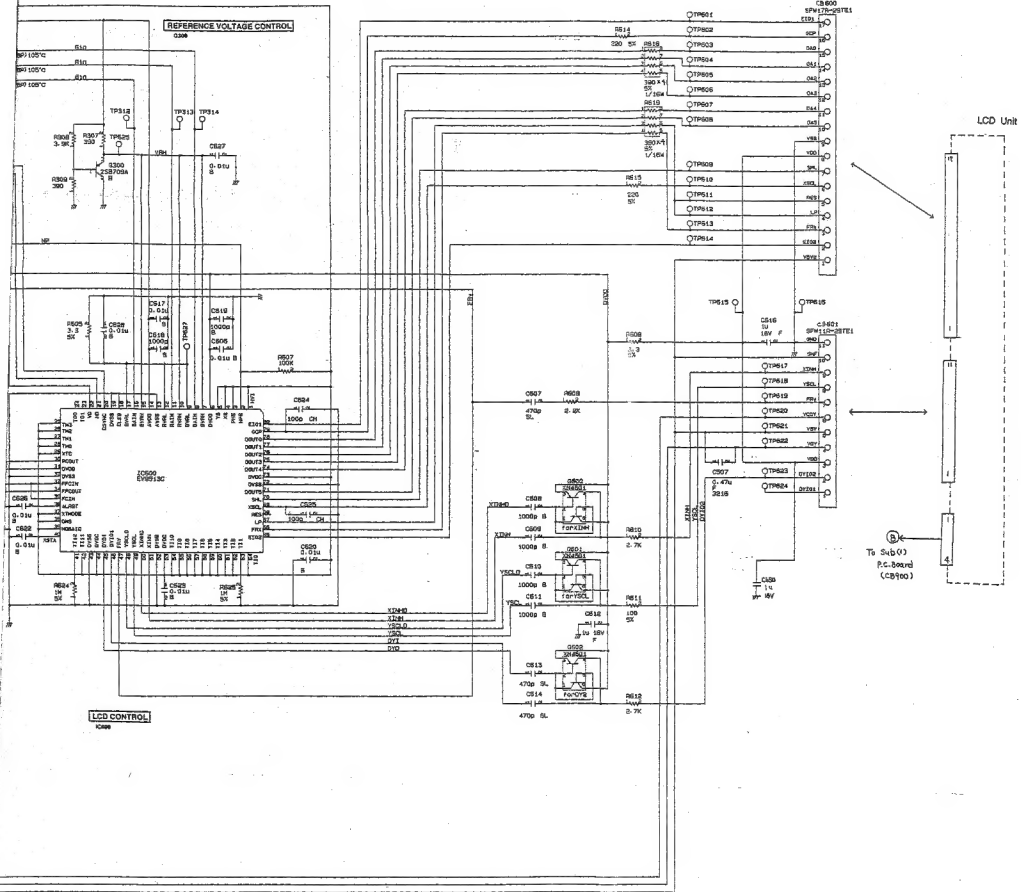
Abbreviations			Symbol No.	Part No.	Description
RES.= Resistor	CAP.= Capacitor		Diodes		
C.F.= Carbon Film	ELY.= Electrolytic		D401	48T15512W01	CP., DSM10
M.F.= Metal Film	CER.= Ceramic		D402	48T15702W01	CP., SB05 -05CP
M.O.= Metal Oxide Film	MYL.= Mylar		D403	48T15702W01	CP., SB06 -05CP
M.P.= Metal Plate	TAN.= Tantalum		D802	48T15512W01	CP., DSM10
TR.= Transistor	POLY.= Polystyrol		D803	48T7506W01	CP., F245
TRANS.= Transformer	PP.= Polypropylene				
CP.= Chip	PLT.= Polyethylene				
	PF.= Polyester Film				
Symbol No.	Part No.	Description	Coils		
BOX P.C.Board			L801	25C40B94G10	Choke Filter
IC's			L804	24T7255W09	Inductor, 47 $\mu$ H
IC201	51T93338F01	NJM4590E	L802	24T75195W48	Inductor, CP. 69 $\mu$ H
IC202	51T45178W02	TC4W53F	L803	24T75195W48	Inductor, CP. 69 $\mu$ H
IC801	51T75322W01	TL5001	L904	24T75195W44	Inductor, CP. 33 $\mu$ H
IC803	51T65483W02	PQ255Z51	Crystals		
IC901	51T65249W01	NJM2235M	X801	91T94641F02	3.575545MHz
IC902	51T85451W01	TA8795BF	X802	91T94641F22	4.433819MHz
IC903	51T85419W01	NJM2267M	X903	91T85054W02	CER. Lock, CP. CS8F503JF560 (512KHz)
IC904	51T85419W01	NJM2267M	Filters		
Transistors			Z801	91T59325W08	CP., NFM61RH20T332
Q201	48T63417F01	CP., 25C2412K	Z901	91T85504W01	CP., FST (2.3MHz)
Q401	48T62967F04	CP., DTC144K	Surge Absorber		
Q402	48T62967F21	CP., DTC124TK	ZNR801	48T85018W01	8KA24L
Q403	48T62967F21	CP., DTC124TK	Capacitors		
Q404	48T63417F01	CP., 25C2412K	C201	08S65128F10	CP., 8pF
Q405	48T62967F23	CP., DTC143TK	E201	23T75478W15	ELY., 10 $\mu$ F / 16V
Q407	48T63417F01	CP., 25C2412K	C202	08S65128F27	CP., 47pF
Q408	48T62967F23	CP., DTC143TK	E202	23T75478W15	ELY., 10 $\mu$ F / 16V
Q801	48T15511W02	CP., 25B1261	C203	08S65128F27	CP., 47pF
Q802	48T62967F23	CP., DTC143TK	E203	23T75478W15	ELY., 10 $\mu$ F / 16V
Q803	48T15511W02	CP., 25B1261	C204	08S65128F10	CP., 8pF
Q804	48T62967F23	CP., DTC143TK	E204	23T75478W15	ELY., 10 $\mu$ F / 16V
Q805	48T62967F02	CP., DTA114	C205	08S65128F76	CP., 0.1 $\mu$ F
Q806	48T85527W01	CP., 25B952A			
Q807	48T73023F01	CP., 25D874A			
Q901	48T83417F01	CP., 25C2412K			
Q902	48T83420F01	CP., 25A1037K			
Q903	48T83417F01	CP., 25C2412K			
Q904	48T83417F01	CP., 25C2412K			
Q905	48T83417F01	CP., 25C2412K			
Q906	48T83417F01	CP., 25C2412K			
Q907	48T62967F09	CP., DTC114TK			
Q908	48T62967F09	CP., DTC114TK			

# Schematic Diagram (1/2)

TE Sub-01 Ec Board (20002)



Control P.C.Board



Control P.C.Board